

In the drawings:

Please substitute the attached replacement sheet showing Figure 1 for Figure 1 as originally filed.



REMARKS

In the outstanding office action the examiner has called attention to the duplicate use to the numeral 53. That has now been corrected both in the drawing and in the specification.

The office action rejects claims 20-24 under 35USC 102 based upon U.S. Patent 5,782,410 to Weston. According to the examiner, the needle valve 50 of Weston is an embodiment of a piston. Reconsideration of this rejection, particularly in view of the amendment to claim 20, is specifically requested. In the '410 patent valve 50 is exactly that. It is a throttling valve which is moved to enlarge or reduce the opening 37 to adjust the volume of material passing through the opening 37. In this regard it is not acting as a piston at all, because it omits the classic function of a piston, i.e. a compressive acting upon a fluid in a cylinder. The movement of the valve does not act on the fluid. It constricts or expands the dispense orifice but otherwise has no cause and effect on the fluid's movement. In the invention described herein, the piston is a dispensing piston that moves through a dispense stroke to cause movement of the fluid to the dispense tip. There is no causation of movement by reason of movement of the valve in the Weston patent. In the Weston patent the fluid is under pressure and the purpose of the valve is to control an automatic continuous deposit irrespective of the movement speed of receiving surface 24. The desire is to maintain a constant bead 23 on the receiving surface. Thus, Weston is a rate of flow of control system utilizing a variable valve. The instant invention is a piston pump dispenser where discrete quantities of material are intermittently dispensed by movement of the piston through the dispense stroke.

It is respectfully submitted that the two devices are considerably different in purpose, construction and function. The cited reference does not employ a reciprocal piston which forces fluid to be dispensed towards a dispense tip.



Respectfully submitted,

A handwritten signature in black ink, appearing to be "Dennis A. Gross", written over a horizontal line.

(Reg. No. 24,410)

Dennis A. Gross
THE HILL FIRM
666 Dundee Road, Suite 1201
Northbrook, IL 60062
Attorney for Applicant

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: Commissioner for Patents, Box Response - No Fee, P.O. Box 1450, Alexandria, VA ~~22313-1450~~ on June 1, 2005.



Dennis A. Gross